



## Fireworks-Related Injury Surveillance 2019

“OPLAN: Iwas Paputok, Iwas Putol, Community Fireworks Display ang Patok!”

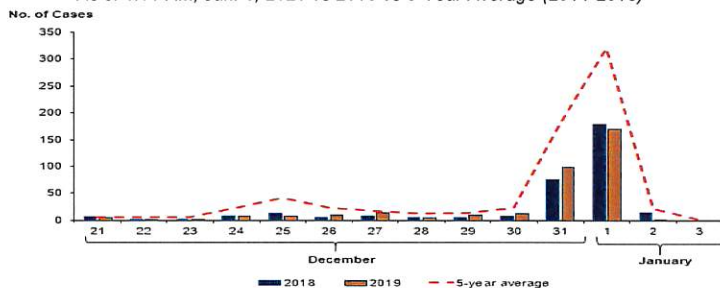
Sentinel Report Number 13

As of 6:00 AM, January 3, 2020

### Injury Registry Update of Sentinel Hospitals

There were 52 additional cases of fireworks-related injuries reported by the 61 sentinel hospitals. These bring the total to 340 from 6:00 AM of December 21, 2019 to 5:59 AM of January 3, 2020. This year's cases is 15 (5%) cases increase when compared to same time period in 2018 (N=325) and 50% lower from the five-year average (2014-2018) of 685 cases, same time period (Figure 1).

**Figure 1. Fireworks-Related Injuries by Date of Injury (N=340)**  
As of 6:00 AM, Jan. 3, 2020 vs 2018 vs 5-Year Average (2014-2018)\*



\*Reports include data from 6:00 AM of Dec. 21 to 5:59 AM of date of reporting  
Source: Online National Electronic Injury Surveillance System Data

These were 339 injuries due to fireworks and one firework ingestion. No stray bullet reported. No death reported. Most injuries were reported from the National Capital Region (NCR), Region VI, and Region I (Table 1). In NCR, most injuries occurred in Manila (53), Quezon City (34), Caloocan (12), Las Piñas (11), and Mandaluyong City (11).

**Table 1. Distribution of Injuries per Region (N=340)**  
As of 6:00 AM, Jan. 3, 2020

Region	Injuries due to Fireworks	Fireworks Ingestion	Stray Bullet Injuries	Total	
				No.	%
NCR	168	1	0	169	50
VI	36	0	0	36	11
I	29	0	0	29	9
CALABARZON	23	0	0	23	7
III	22	0	0	22	6
II	16	0	0	16	5
V	14	0	0	14	4
VII	14	0	0	14	4
XII	6	0	0	6	2
X	3	0	0	3	1
MIMAROPA	2	0	0	2	1
VIII	2	0	0	2	1
CAR	2	0	0	2	1
IX	1	0	0	1	0
XI	1	0	0	1	0
BARMM	0	0	0	0	0
CARAGA	0	0	0	0	0
<b>Total</b>	<b>339</b>	<b>1</b>	<b>0</b>	<b>340</b>	<b>100</b>

### A. Injuries due to Fireworks

Two hundred forty-six (72%) were males. Age ranged from 11 months to 77 years old (Median: 13). Two hundred forty-five (72%) had blast/burn injuries not requiring amputation, 84 (22%) had eye injuries, and 14 (4%) had blast/burn injury requiring amputation.

Two hundred four (60%) injuries were due to legal fireworks. The top fireworks involved were kwitis, fountain, and lucas (Table 2).

**Table 2. Top Fireworks Involved**  
As of 6:00 AM, Jan. 3, 2020

Fireworks	No.	Percent
Kwitis	76	22
Lucas	38	11
Fountain	35	10
Piccolo*	19	6
5-star*	16	6

\*Illegal or prohibited

One hundred ninety-nine (59%) were passive cases. One hundred ninety-three (57%) occurred in the street. Most cases sustained injury to the hand and eye (Table 3).

**Table 3. Top Anatomical Sites of Injuries due to Fireworks**  
As of 6:00 AM, Jan. 3, 2020

Anatomical Part	No.	Percent
Hand	114	34
Eye	84	25
Forearm/Arm	32	9
Head	42	12
Legs	36	11

### B. Fireworks Ingestion

The case is a two-year-old female from Manila. The incident happened on the evening of December 31, 2019. Her sibling put lucas into her mouth. She was brought to UST Hospital where she was observed and sent home thereafter.

#### Status of Reporting Sentinel Hospitals

There were 49 (80%) hospitals with reports submitted (Table 4).



“Mga paputok ay dapat iiwasan ng kabataan, nang ang mga ngiti nila'y laging masilayan.”

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**Table 4. Distribution of Injuries by Sentinel Hospital (N=340)**  
*Fireworks-Related Injury Surveillance, as of 6:00 AM January 3, 2020*

Hospital	Injuries due to Fireworks		FW Ingestion		Stray Bullet Injuries		TOTAL	
	No.	%	No.	%	No.	%	No.	%
Amang Rodriguez Medical Center	18	5	0	0	0	0	18	5
Baguio General Hospital and Medical Center	2	1	0	0	0	0	2	1
Batangas Medical Center	3	1	0	0	0	0	3	1
Bicol Medical Center	8	2	0	0	0	0	8	2
Bicol Regional Training and Teaching Hospital	6	2	0	0	0	0	6	2
Cagayan Valley Medical Center	6	2	0	0	0	0	6	2
Capitol Medical Center	1	0.3	0	0	0	0	1	0.3
Caraga Regional Hospital	0	0	0	0	0	0	0	0
Cardinal Santos Medical Center	1	0.3	0	0	0	0	1	0.3
Chinese General Hospital and Medical Center	6	2	0	0	0	0	6	2
Corazon Locsin Montelibano Memorial Regional Hospital	22	6	0	0	0	0	22	6
Cotabato Regional And Medical Center	0	0	0	0	0	0	0	0
Davao Regional Medical Center	1	0.3	0	0	0	0	1	0.3
Dr. Paulino J. Garcia Memorial Research And Medical	7	2	0	0	0	0	7	2
Dr. Victor Potenciano Medical Center	0	0	0	0	0	0	0	0
East Avenue Medical Center	17	5	0	0	0	0	17	5
Eastern Visayas Regional Medical Center	2	1	0	0	0	0	2	1
Far North Luzon Gen Hospital and Training Center	0	0	0	0	0	0	0	0
Gov. Celestino Gallares Memorial Hospital	6	2	0	0	0	0	6	2
Ilocos Training And Regional Medical Center	1	0.3	0	0	0	0	1	0.3
Iloilo Mission Hospital	0	0	0	0	0	0	0	0
Jose B. Lingad Memorial General Hospital	12	4	0	0	0	0	12	4
Jose R. Reyes Memorial Medical Center	33	10	0	0	0	0	33	10
Las Pifias General Hospital & Satellite Trauma Center	12	4	0	0	0	0	12	4
Lingayen District Hospital	9	3	0	0	0	0	9	3
Makati Medical Center	5	1	0	0	0	0	5	1
Mandaluyong City Medical Center	11	3	0	0	0	0	11	3
Manila Doctors Hospital	1	0.3	0	0	0	0	1	0.3
Manila East Medical Center	2	1	0	0	0	0	2	1
Mariano Marcos Memorial Medical Hospital	5	1	0	0	0	0	5	1
MCU-FDT Medical Foundation Hospital	3	1	0	0	0	0	3	1
Medical Center Parañaque, Incorporated	0	0	0	0	0	0	0	0
National Children's Hospital	2	1	0	0	0	0	2	1
Northern Mindanao Medical Center	3	1	0	0	0	0	3	1
Ospital ng Maynila Medical Center	2	1	0	0	0	0	2	1
Ospital ng Palawan	1	0.3	0	0	0	0	1	0.3
Ospital ng Tondo	15	4	0	0	0	0	15	4
Philippine Children's Medical Center	0	0	0	0	0	0	0	0
Philippine Orthopedic Center	1	0.3	0	0	0	0	1	0.3
Quezon City General Hospital	11	3	0	0	0	0	11	3
Quirino Memorial Medical Center	9	3	0	0	0	0	9	3
Region 1 Medical Center	14	4	0	0	0	0	14	4
Region 2 Trauma and Medical Center	2	1	0	0	0	0	2	1
Rizal Medical Center	11	3	0	0	0	0	11	3
San Juan De Dios Educational Foundation, Inc	0	0	0	0	0	0	0	0
South Cotabato Provincial Hospital	4	1	0	0	0	0	4	1
Southern Isabela General Hospital	7	2	0	0	0	0	7	2
Southern Philippines Medical Center	0	0	0	0	0	0	0	0
St Luke's Medical Center	2	1	0	0	0	0	2	1
St. Elizabeth Hospital, Inc.	2	1	0	0	0	0	2	1
Sulu Provincial Hospital	0	0	0	0	0	0	0	0
The Medical City	4	1	0	0	0	0	4	1
Tondo Medical Center	9	3	0	0	0	0	9	3
University of Perpetual Help Dalta Medical Center	2	1	0	0	0	0	2	1
University of Santo Tomas Hospital	0	0	1	100	0	0	1	0.3
UP-Philippine General Hospital	6	2	0	0	0	0	6	2
Valenzuela Medical Center	9	3	0	0	0	0	9	3
Vicente Sotto Memorial Medical Center	8	2	0	0	0	0	8	2
Western Visayas Medical Center	12	4	0	0	0	0	12	4
Western Visayas Sanitarium	2	1	0	0	0	0	2	1
Zamboanga City Medical Center	1	0.3	0	0	0	0	1	0.3
<b>Total</b>	<b>339</b>	<b>100</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>340</b>	<b>100</b>

Disclaimer: Figures from the previous reports may differ due to late reports submitted and further verification.  
Some of the percentages may not add up to 100 due to rounding off of numbers.

**Table 5. Status of Reporting and Monitoring by Region (N=340)**  
As of 6:00 AM January 3, 2020

Region	Name of Hospital	Submitted report?
I	Ilocos Training and Regional Medical Center	Yes
	Lingayen District Hospital*	Yes
	Mariano Marcos Memorial Hospital and Medical Center*	Yes
	Region 1 Medical Center	Yes
II	Cagayan Valley Medical Center	Yes
	Region 2 Trauma and Medical Center	Yes
	Southern Isabela Medical Center	Yes
III	Dr. Paulino J. Garcia Memorial Research and Medical Center*	Yes
	Jose B. Lingad Memorial General Hospital	Yes
CALABARZON	Batangas Medical Center*	Yes
	Manila East Medical Center	Yes
MIMAROPA	Ospital ng Palawan	No
V	Bicol Medical Center	Yes
	Bicol Regional Training and Teaching Hospital	Yes
VI	Corazon Locsin Montelibano Memorial Regional Hospital	Yes
	Iloilo Mission Hospital*	Yes
	Western Visayas Medical Center	Yes
	Western Visayas Sanitarium	No
VII	Gov. Celestino Gallares Memorial Hospital	Yes
	Vicente Sotto Memorial Medical Center*	Yes
VIII	Eastern Visayas Regional Medical Center	No
IX	Zamboanga City Medical Center*	Yes
X	Northern Mindanao Medical Center	Yes
XI	Davao Regional Medical Center	Yes
	Southern Philippines Medical Center*	Yes
XII	Cotabato Regional and Medical Center	No
	South Cotabato Provincial Hospital	Yes
	St. Elizabeth Hospital, Inc.	Yes
BARMM	Sulu Provincial Hospital	Yes
CAR	Baguio General Hospital and Medical Center*	Yes
	Far North Luzon General Hospital and Training Center	Yes
CARAGA	Caraga Regional Hospital*	Yes
NCR	Amang Rodriguez Medical Center	Yes
	Capitol Medical Center*	Yes
	Cardinal Santos Medical Center	Yes
	Chinese General Hospital and Medical Center	Yes
	Dr. Victor Potenciano Medical Center	No
	East Avenue Medical Center*	Yes
	Jose R. Reyes Memorial Medical Center	Yes
	Las Piñas General Hospital & Satellite Trauma Center	Yes
	Makati Medical Center	Yes
	Mandaluyong City Medical Center*	Yes
	Manila Doctors Hospital	No
	MCU-FDT Medical Foundation Hospital	No
	Medical Center Parafaque, Incorporated	Yes
	National Children's Hospital	Yes
	Ospital ng Maynila Medical Center	No
	Ospital ng Tondo	No
	Philippine Children's Medical Center	Yes
	Philippine Orthopedic Center	Yes
	Quezon City General Hospital	Yes
	Quirino Memorial Medical Center	Yes
	Rizal Medical Center*	Yes
	San Juan De Dios Educational Foundation, Inc.	Yes
	St. Luke's Medical Center	No
	The Medical City*	Yes
	Tondo Medical Center	Yes
	University of Perpetual Help Dalta Medical Center	Yes
	University of Santo Tomas Hospital	No
UP-Philippine General Hospital	Yes	
Valenzuela Medical Center	Yes	

\*Did not submit "no case" report to ONEISS but had zero case upon monitoring by KMITS and RESU staff

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